PROJECT REPORT

Max Heap Implementation for Keyword Searching on File

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FACULTY OF COMPUTER SCIENCE

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APPROVAL AND RATIFICATION PAGE

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This project report has been approved and ratified by the Dean of faculty of Computer Science and Supervisor on July, 11th 2011

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STATEMENT OF ORIGINALITY

Hereby signed :

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Here by certify that this project was made by my self and not copy or plagiarizes from other people, except that in writing expressed to the other article. If it is proven that this project was plagiarizes or copy the other, I'm ready to accept a sanction.

Semarang, July 11th 2011

Albert Santoso

07.02.0052

FOREWORD

Thanks to God: Father, Son, and Holy Ghost for the bless, I have been completed this project with title: Implementation Syntactic Analysis and Semantic Analysis in Building Own Interpreter.

In this opportunity, I would thank to :

1. My Lord and my saviour, Jesus Christ that give me faith and courage to finish this project.
2. My parents, Harry Santoso and Tjhen Hwie Fen and my sister Debby Natalia Santoso for their support, love, and pray.
3. Rosita Herawati,ST,MIT as my supervisor, for his advice, and ideas that inspired me.
4. All lecturers in Faculty of Computer Science, Hironimus Leong, S.Kom., M.Kom , Suyanto EA., Ir, M.Sc, Robertus Seiawan Aji N,ST., McomIT, for their help and advice in programming.
5. All of my friends in IKOM for support me to finish this project,

Finally, I apologize because this project is not perfect, there still some bugs but I hope this project can inspire other students to make better projects. I'll receive any questions and critics about this project in open arm.

Semarang, July 11th, 2011

Albert Santoso

ABSTRACT

Keyword search program is a program to find some words that can be used as keywords in a file. Keyword search based on the number of words that appear most in the file. The program can search for words as a keyword in sequence starting from the most. Authors limit the use of words that can be used as a keyword, by making a dictionary of words liaison. In this case the author uses an algorithm to solve the problem Max Heap searching for keywords, so the author can arrange the nodes by the number of the largest to the smallest word in the data structure . The author also uses a binary search tree as data

Keyword: Keyword, Max Heap, and Binary Search Tree

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